



## SEQUENCE LISTING

<110> PLAKSIN, Daniel

<120> SMALL FUNCTIONAL UNITS OF ANTIBODY HEAVY CHAIN VARIABLE REGIONS

<130> 87534-2800

<140> 09/858,349

<141> 2001-05-15

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 411

<212> DNA

<213> mouse hybridoma specific for H-2D + RGPGRFVTVI peptide

<220>

<221> misc\_feature

<222> (295)..(320)

<223> a o r g o r c o r t / u

<400> 1

gatgtccagc tgcaggagtc aggacctggc ctctgtgaaac cttctcagtc tctgt  
ctctc 60

acctgctctg tcaactggcta ctccatcacc agtgggttatt actggaactg gatcc  
ggcag 120

tttccaggaa acaaactgga atggatgggc tacataagct acgatggtag caata  
actac 180

aaccatctc tcaaaaatcg aatctccatc actcgtgaca catctaagaa ccagt  
tttctc 240

ctgaagttga attctgtgac tactgaggac acagccacat attactgtgc aagan  
nknkn 300

nnknknknkn nknknknkn kgactactgg ggccaaggga ccaactgtcac cgctcg  
cgcc 360

gcaggtgcgc cggtgccgta tccggatccg ctggaaccgc gtgccgcata g  
411

<210> 2  
 <211> 136  
 <212> PRT  
 <213> mouse hybridoma specific for H-2D + RGPGRAPHVTI peptid  
 e

<220>  
 <221> MISC\_FEATURE  
 <222> (99)..(107)  
 <223> variable

<400> 2

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser  
 Gln  
 1 5 10 15

Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Tyr Ser Ile Thr Ser  
 Gly  
 20 25 30

Tyr Tyr Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu  
 Trp  
 35 40 45

Met Gly Tyr Ile Ser Tyr Asp Gly Ser Asn Asn Tyr Asn Pro Ser  
 Leu  
 50 55 60

Lys Asn Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe  
 Phe  
 65 70 75

80

Leu Lys Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr  
Cys

85

90

95

Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Tyr Trp Gly  
Gln

100

105

110

Gly Thr Thr Val Thr Val Ala Ala Ala Gly Ala Pro Val Pro Tyr  
Pro

115

120

125

Asp Pro Leu Glu Pro Arg Ala Ala  
130 135

&lt;210&gt; 3

&lt;211&gt; 10

&lt;212&gt; PRT

<213> mouse hybridoma specific for H-2D + RGPGRFVTI peptid  
e

&lt;400&gt; 3

Arg Gly Pro Gly Arg Ala Phe Val Thr Ile  
1 5 10

&lt;210&gt; 4

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; sfiI5'

&lt;400&gt; 4

aaggaaaaaa aaggcccagc cggccgatgt ccagctgcag gagtcaggac cggc  
54

<210> 5  
 <211> 100  
 <212> DNA  
 <213> NotI3' oligonucleotide

<220>  
 <221> misc\_feature  
 <222> (51)..(76)  
 <223> a or c or g or t/u

<400> 5  
 tatcaaatgc ggccgcgacg gtgacagtgg tcccttggcc ccagtagtcm nnmnn  
 mnnmn 60  
 nmnnmnnmnn mnnmnnntctt gcacagtaat atgtggctgt  
 100

<210> 6  
 <211> 5  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<220>  
 <221> MISC\_FEATURE  
 <222> (2)..(2)  
 <223> a hydrophilic residue though this may not be a exclusive requirem  
 ent

<400> 6

Gly Xaa Ser Pro Gln  
 1 5

<210> 7  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 7

Phe Pro Thr Gly Asp Leu Ala Glu Lys  
1 5

<210> 8  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 8

Asn Gly Lys Ser Pro Gln Ala Ala Trp  
1 5

<210> 9  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 9

Gln Ser Gly Gln Ser Pro Gln Ser Ile  
1 5

<210> 10  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 10

Trp Gly Ser Trp Arg Asn Gly Lys Asn  
1 5

<210> 11  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 11

Trp Ala Lys Gly Arg Ser Thr Met Tyr  
1 5

<210> 12  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 12

Trp Gly Met Tyr Arg Ser Gly Thr Gly  
 1 5

<210> 13  
 <211> 34  
 <212> DNA  
 <213> pET-21 a VH5'NdeI

<400> 13  
 gggaattcca tatggatgtc cagctgcagg agtc  
 34

<210> 14  
 <211> 34  
 <212> DNA  
 <213> pET-21aVH3' XhoI

<400> 14  
 gggaattcct cgagctatgc ggcacgcggt tcca  
 34

<210> 15  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 15

His Ala Gln Arg Arg Pro Trp Ile Arg  
 1 5

<210> 16  
 <211> 9

<212> PRT

<213> phage clone with randomized VH gene inserted

<400> 16

Glu Asp Pro His Pro Gln Arg Gly Tyr

1

5